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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/030,014	
	Filing Date	December 28, 2001	
	First Named Inventor	Alessandro SETTE	
	Group Art Unit	To be assigned	
	Examiner Name	To be assigned	
Total Number Of Pages In This Submission	6	Attorney Docket No.	399632002100

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declarations	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Return postcard
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<input checked="" type="checkbox"/> Information Disclosure Statement; PTO form 1449; and 21 references	<input type="checkbox"/> Request for Refund	
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SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm or Individual Name	Irina E. Britva Registration No. 50,498
Signature	<i>U. Bp</i>
Date	July 25, 2002

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PATENT
Docket No. 399632002100

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Alessandro SETTE, et al.

Serial No.: 10/030,014

Filing Date: December 28, 2001

For: HLA BINDING PEPTIDES AND THEIR
USES

Examiner: To be assigned

Group Art Unit: To be assigned

INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

This application is related to U.S.S.N. 60/141,422 filed June 29, 1999; U.S.S.N. 08/205,713 filed March 4, 1994; U.S.S.N. 09/017,735; U.S.S.N. 08/753,622; U.S.S.N. 08/822,382; U.S.S.N. 60/013,980; U.S.S.N. 08/589,108; U.S.S.N. 08/454,033; U.S.S.N.

08/349,177; U.S.S.N. 08/159,184; U.S.S.N. 08/073,205; and U.S.S.N. 08/027,146. This application is also related to U.S.S.N. 09/017,524; U.S.S.N. 08/821,739; U.S.S.N. 60/013,833; U.S.S.N. 08/758,409; U.S.S.N. 08/589,107; U.S.S.N. 08/451,913 and to U.S.S.N. 08/347,610; U.S.S.N. 08/186,266; U.S.S.N. 08/159,339; U.S.S.N. 09/116,061; U.S.S.N. 08/103,396; U.S.S.N. 08/027,746; and U.S.S.N. 07/926,666. This application is also related to U.S.S.N. 09/017,743; U.S.S.N. 08/753,615; U.S.S.N. 08/590,298; U.S.S.N. 08/452,843; U.S.S.N. 09/115,400; U.S.S.N. 08/344,824; and U.S.S.N. 08/278,634. This application is also related to U.S.S.N. 08/197,484 and U.S.S.N. 08/815,396.

This Information Disclosure Statement is submitted:

- ☐ With the application; accordingly, no fee or separate requirements are required.
- ☒ Within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.
- ☐ After receipt of a first Office Action on the merits but before mailing of a final Office Action or Notice of Allowance.
 - ☐ A fee is required. A check in the amount of * is enclosed.
 - ☐ A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly, no fee is believed to be due.
- ☐ After mailing of a final Office Action or Notice of Allowance, but before payment of the issue fee.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a check in the amount of * is enclosed.
 - ☐ A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal form (PTO/SB/17) is attached to this submission in duplicate.

Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

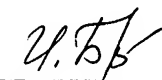
The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal letter is separated from this document and the Patent Office determines that an extension and/or other relief is required, applicant petitions for any required relief including extensions of time and authorizes the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 399632002100. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: July 25, 2002

Respectfully submitted,

By: _____



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Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>	Docket Number 399632002100	Application Number 10/030,014
	Applicant Alessandro SETTE, et al.	
	Filing Date December 28, 2001	Group Art Unit To Be Assigned
	Mailing Date July <u>26</u> 2002	



U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO

OTHER DOCUMENTS

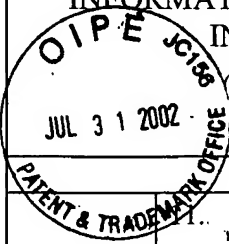
(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
	1.	Barber et al. "Overlap in the Repertoires of Peptides Bound In Vivo by a Group of Related Class I HLA-B Allotypes" Curr. Biol. 5:179-190 (1995)
	2.	Bjorkman et al. "Structure of the Human Class I Histocompatibility Antigen, HLA-A2" Nature 329:506-512 (1987)
	3.	Buus et al. "Autologous Peptides Constitutively Occupy the Antigen Binding Site on Ia" Science 242:1045-1047 (1988)
	4.	DiBrino et al. "Endogenous Peptides with Distinct Amino Acid Anchor Residue Motifs Bind to HLA-A1 and HLA-B8" J. Immunol. 152:620-631 (1994)
	5.	De Bruijn et al. "Peptide Loading of Empty Major Histocompatibility Complex Molecules on RMA-S Cells Allows the Induction of Primary Cytotoxic T Lymphocyte Responses" Eur. J. Immunol. 21:2963-2970 (1991)
	6.	Falk et al. "Allele-Specific Motifs Revealed by Sequencing of Self-Peptides Eluted from MHC Molecules" Nature 351:290-296 (1991)
	7.	Hill et al. "Molecular Analysis of the Association of HLA-B53 and Resistance to Severe Malaria" Nature 360:434-439 (1992)
	8.	Hunt et al. "Characterization of Peptides Bound to the Class I MHC Molecule HLA-A2.1 by Mass Spectrometry" Science 225:1261-1263 (1992)
	9.	Jardetzky et al. "Identification of Self Peptides Bound to Purified HLA-B27" Nature 353:326-329 (1991)
	10.	Kondo et al. "Prominent Roles of Secondary Anchor Residues in Peptide Binding to HLA-A24 Human Class I Molecules" J. Immunol. 155:4307-4312 (1995)

EXAMINER:

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Form PTO-1449		Docket Number 399632002100	Application Number 10/030,014
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>		Applicant Alessandro SETTE, et al.	
		Filing Date December 28, 2001	Group Art Unit To Be Assigned
		Mailing Date July __, 2002	
			
	11.	Kondo et al. "Two Distinct HLA-A*0101-Specific Submotifs Illustrate Alternative Peptide Binding Modes" Immunogenetics 45:249-258 (1997)	
	12.	Kubo et al. "Definition of Specific Peptide Motifs for Four Major HLA-A Alleles" J. Immunol. 152:3913-3924 (1994)	
	13. (Pamer et al. "Precise Prediction of a Dominant Class I MHC-Restricted Epitope of Listeria Monocytogenes" Nature 353:852-855 (1991)	
	14.	Rammensee et al. "MHC Ligands and Peptide Motifs: First Listing" Immunogenetics 41:178-228 (1995)	
	15.	Ruppert et al. "Prominent Role of Secondary Anchor Residues in Peptide Binding to HLA-A2.1 Molecules" Cell 74:929-937 (1993)	
	16.	Schaeffer et al. "Relative Contribution of "Determinant Selection" and "Holes in the T-Cell Repertoire" to T-Cell Responses" Proc. Natl. Acad. Sci. USA 86:4649-4653 (1989)	
	17.	Sette et al. "Prediction of Major Histocompatibility Complex Binding Regions of Protein Antigens by Sequence Pattern Analysis" Proc. Natl. Acad. Sci. USA 86:3296-3300 (1989)	
	18.	Sette et al. "The Relationship Between Class I Binding Affinity and Immunogenicity of Potential Cytotoxic T Cell Epitopes" J. Immunol. 153:5586-5592 (1994)	
	19.	Sidney et al. "Several HLA Alleles Share Overlapping Peptide Specificities" J. Immunol. 154:247-259 (1995)	
	20.	Sidney et al. "Definition of an HLA-A3-Like Supermotif Demonstrates the Overlapping Peptide-Binding Repertoires of Common HLA Molecules" Hum. Immunol. 45:79-93 (1996)	
	21.	Zhang et al. "An HLA-A11-Specific Motif in Nonamer Peptides Derived from Viral and Cellular Proteins" Proc. Natl. Acad. Sci. USA 90:2217-2221 (1993)	
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